

CURRICULUM IN MECHANICAL ENGINEERING

(Catalog #136, 2013-2014)

Name: _____ Date: _____ UIN: _____

Course	Credit	2	Prerequisite	Course	Credit	2	Prerequisite
__ENGR 111 ¹	(1-3)	2	Admission to COE; Co-requisite MATH 151	__ENGR 112 ¹	(1-3)	2	ENGR 111; MATH 151
__ENGL 104 ¹	(3-0)	3		__MATH 152 ¹	(3-2)	4	MATH 151 or equivalent
__MATH 151 ¹	(3-2)	4	High School Algebra I&II, Trigonometry & Geometry MATH 150 or satisfactory performance on a qualifying exam (MPE ≥ 22).	__PHYS 208 ¹	(3-3)	4	PHYS 218; MATH 152 or reg. therein
__PHYS 218 ¹	(3-3)	4	MATH 151 or reg. therein	__Univ. Core Curriculum Elect. ²		3	
__Univ. Core Curriculum Elect. ²		3		__CHEM 107/117 ¹	(3-3)	4	
__KINE 198	(0-2)	1		__KINE 199 (S/U)	(0-2)	1	
(17)				(18)			
__MATH 251 ¹	(3-0)	3	MATH 152 or equivalent	__MATH 308 ¹	(3-0)	3	MATH 251; Knowledge of computer algebra system (Maple)
__MEEN 221 ¹	(3-0)	3	Admission to upper division (MEEN); MATH 251 or 253 or reg. therein; PHYS 218	__MEEN 315 ¹	(3-0)	3	MEEN 221; MATH 251 or 253
__MEEN 222 ¹	(3-0)	3	CHEM 107 & PHYS 218	__CVEN 305 ¹	(3-0)	3	MEEN 221
__Univ. Core Curriculum elect. ²		3		__ECEN 215 ¹	(2-2)	3	PHYS 208; MATH 308 or registration therein
__Univ. Core Curriculum elect. ²		3		__MEEN 260 ¹	(2-3)	3	MEEN 221; MEEN 315, ECEN 215 & MATH 308 or reg. therein
(15)				(15)			
__ENGL 301 ⁴	(3-0)	3	ENGL 104	__MEEN 368 ¹	(2-2)	3	CVEN 305; MEEN 357, 360 or reg. therein
__MEEN 357 ¹	(3-0)	3	ENGR 112, MATH 308	__MEEN 461 ¹	(3-0)	3	MATH 308; MEEN 344
__MEEN 363 ¹	(2-2)	3	MEEN 221; MATH 308; MEEN 357 or CVEN 302, registration therein; CVEN 305 or registration therein.	__MEEN 464	(0-3)	1	MEEN 345; MEEN 461 or reg. therein
__MEEN 360 ¹	(3-0)	3	MEEN 222 & 260; CVEN 305	__MEEN 364 ¹	(2-3)	3	ECEN 215; MEEN 260, 363
__MEEN 361	(0-3)	1	MEEN 222 & 260; CVEN 305 MEEN 360 or reg. therein	__MEEN 381	(0-2)	1	Upper –level classification in Mechanical Engineering
__MEEN 344 ¹	(3-0)	3	MEEN 221 and 315	__ISEN 302	(2-0)	2	MATH 152
__MEEN 345	(0-3)	1	MEEN 260; MEEN 344 or reg. therein	__Univ. Core Curriculum Elect. ²		3	
(17)				(16)			
__MEEN 401 ¹	(2-3)	3	MEEN 360, 364, 368, 461	__MEEN 402	(2-3)	3	MEEN 401; jr. or sr. classification
__MEEN 404	(2-3)	3	MEEN 260, 360, 364, 461; MEEN 401 or reg. therein; jr. or sr. classification	__Univ. Core Curriculum Elect. ²		3	
__Stem Course ³	(3-0)	3		__Tech. Elective ³		3	
__Stem Course ³	(3-0)	3		__Tech. Elective ³		3	
__ENGR 482	(2-2)	3	Junior classification	__Tech. Elective ³		3	
(15)				(15)			

Total Hours 128

1. Requires a grade of "C" or better.
2. To be selected from the University Core Curriculum general education courses. Of the 18 hours shown as University Core Curriculum electives, 3 must be from visual and performing arts, 3 from social and behavioral sciences, 6 from U.S. history, and 6 from POLS 206 and POLS 207, and 6 from international and cultural diversity. The international and cultural diversity requirement may be met by courses satisfying the visual and performing arts, social and behavioral sciences, and the political science and history requirements if they are also on the approved list of international and cultural diversity courses.
3. Stem courses & Technical Electives: See the MEEN Academic Advising Office for list of approved course.
4. Students may take ENGL 301 or choose from the following list: COMM 205; ENGL 203, 235, 241.